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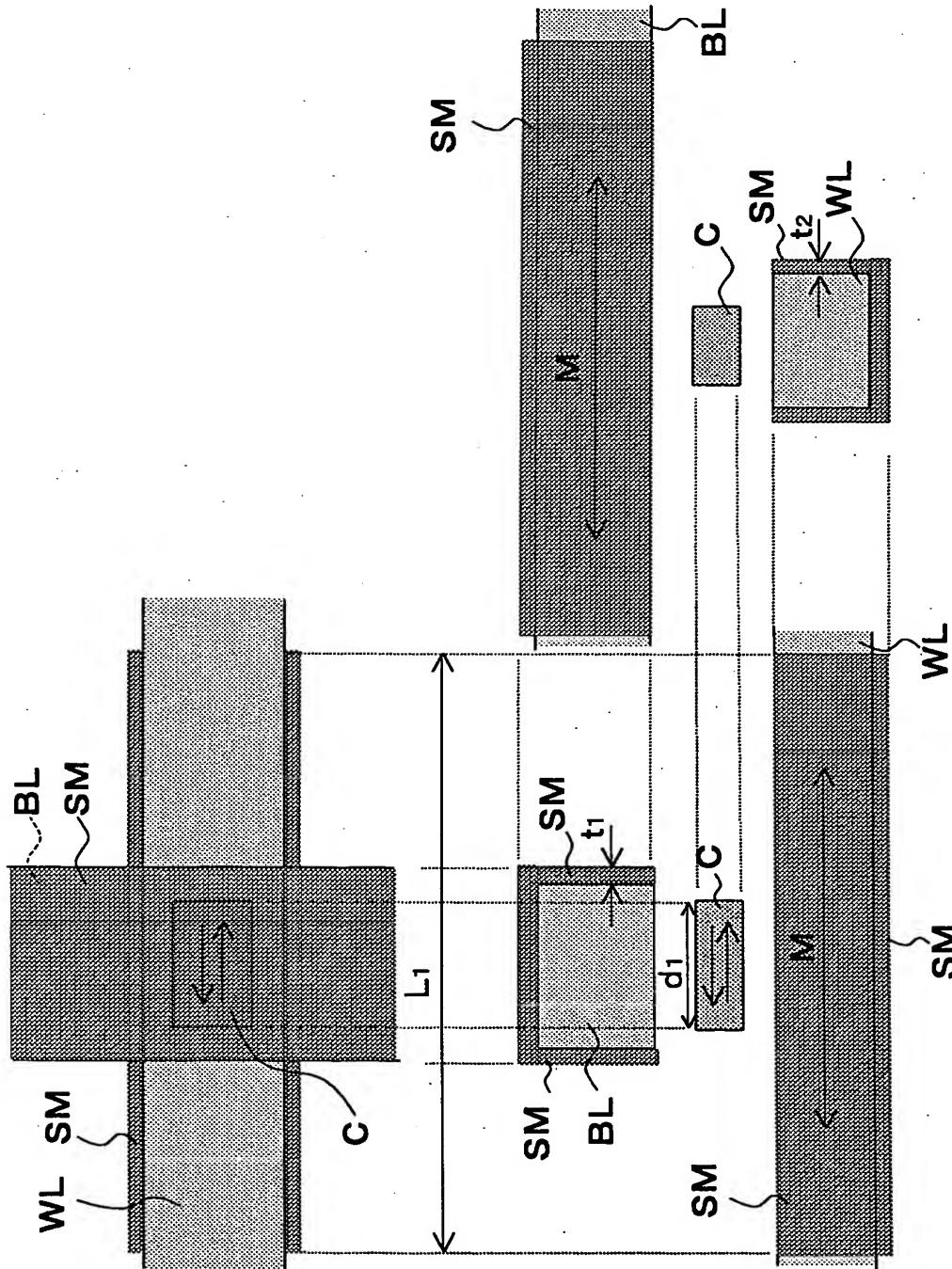


FIG.1B

FIG.1A

FIG.1C

$$L_1 > (2 \times L_2 + L_3)$$

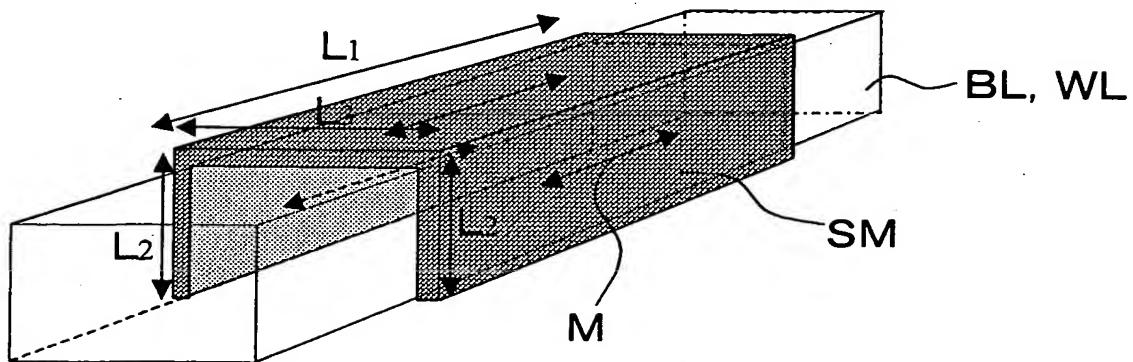


FIG.2

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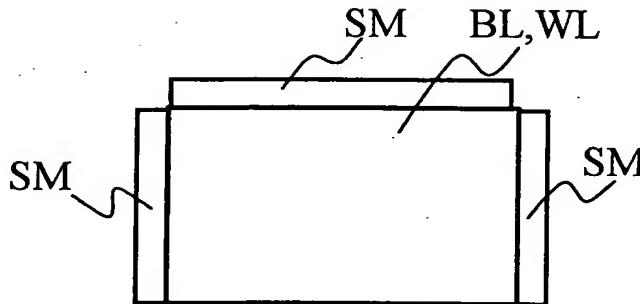


FIG.3A

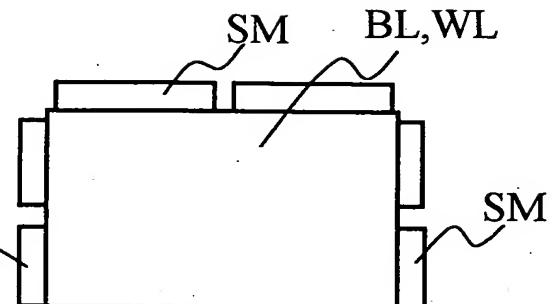


FIG.3D

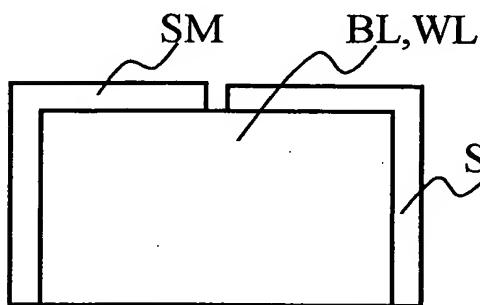


FIG.3B

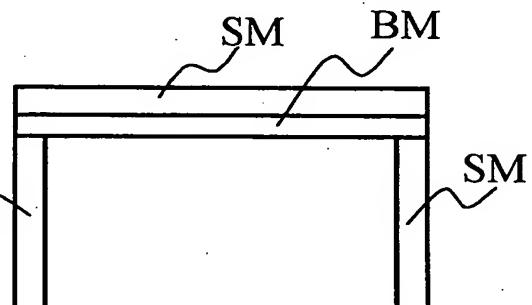


FIG.3E

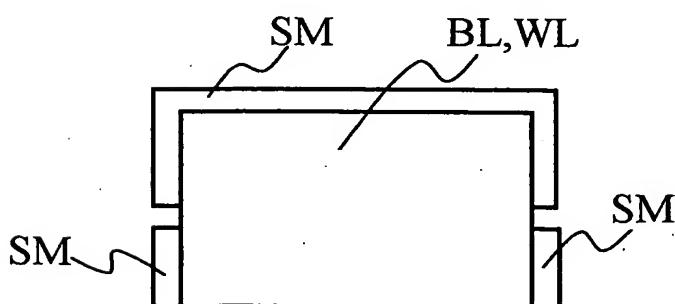


FIG.3C

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FIG.4A

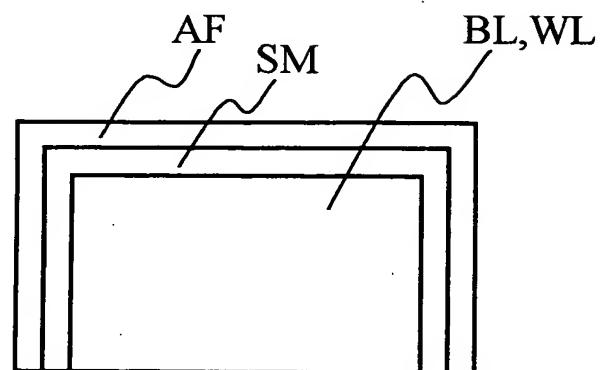


FIG.4B

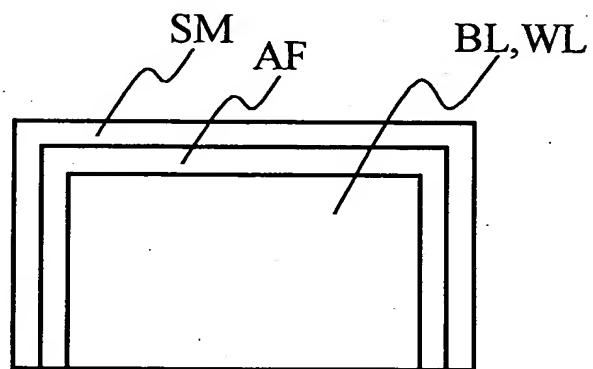


FIG.4C

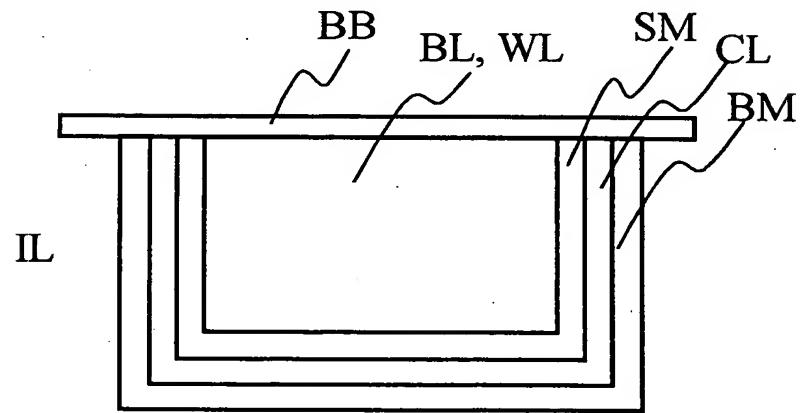
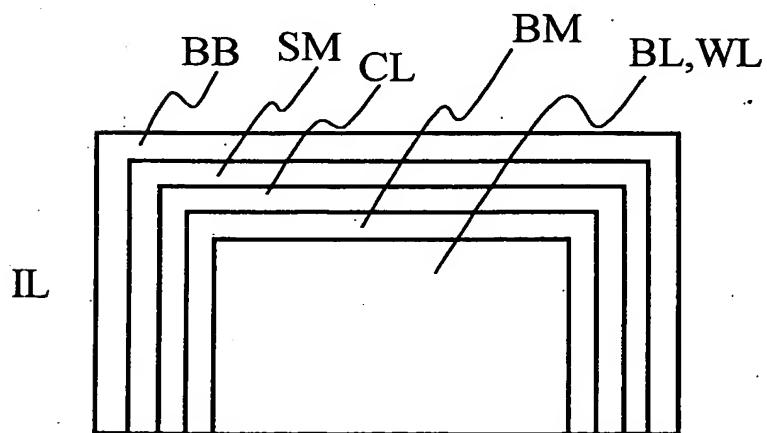


FIG.4D



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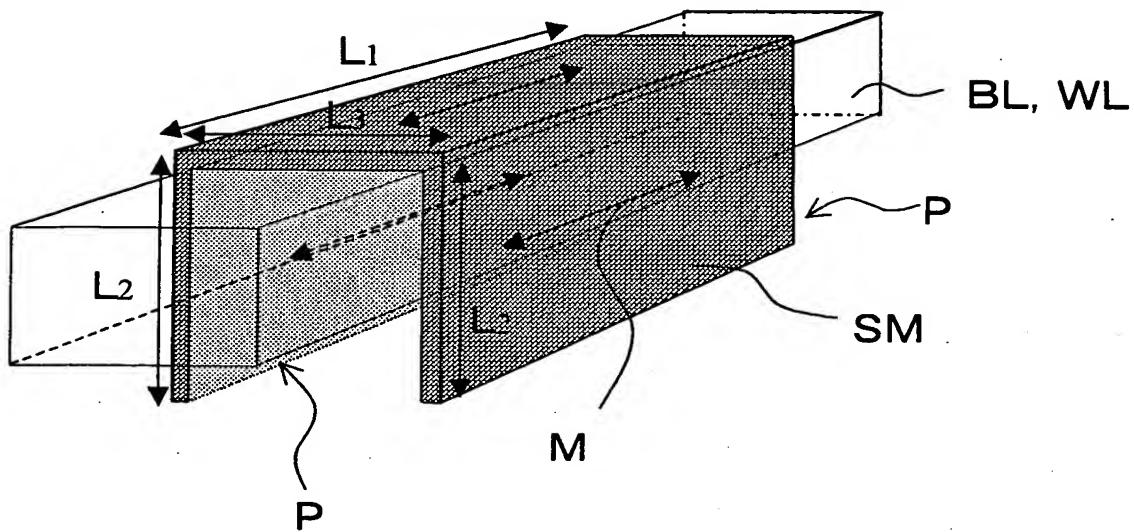


FIG.5

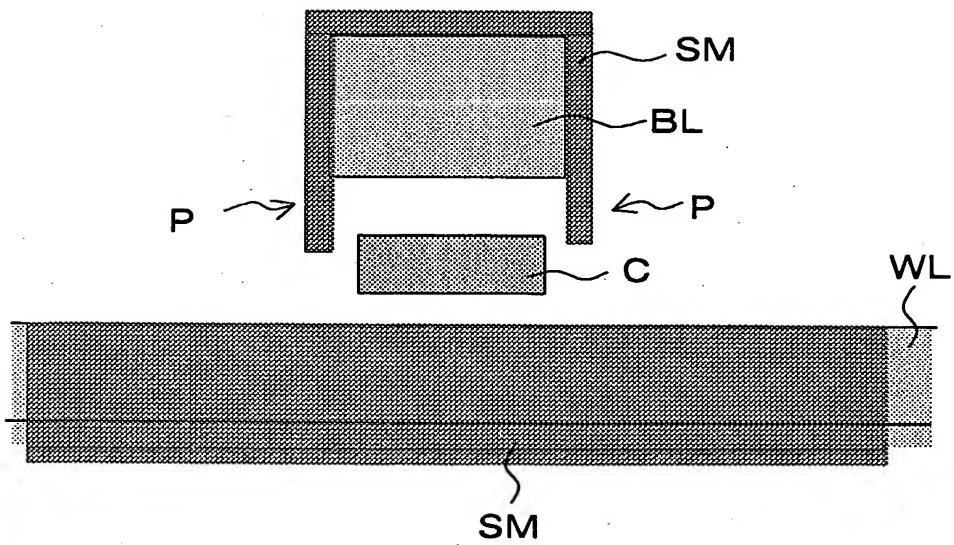


FIG.6

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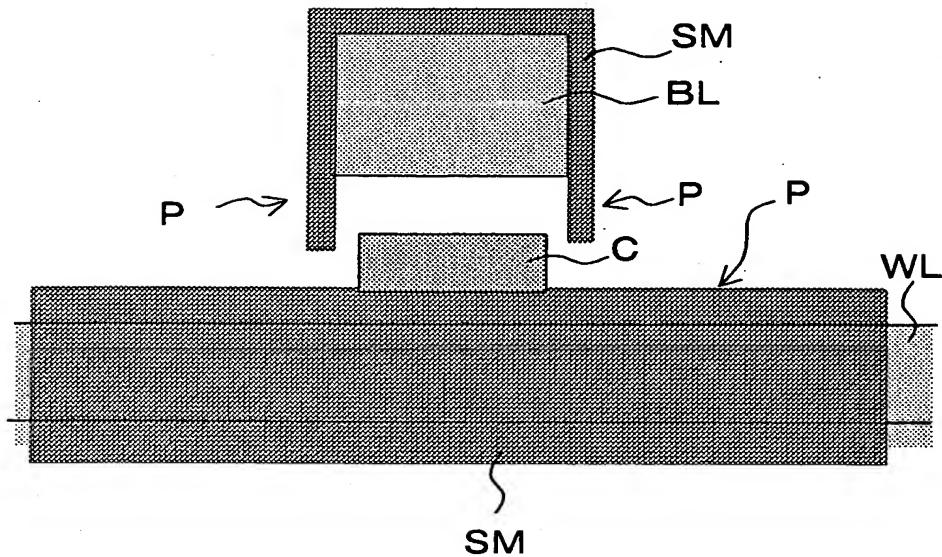


FIG. 7

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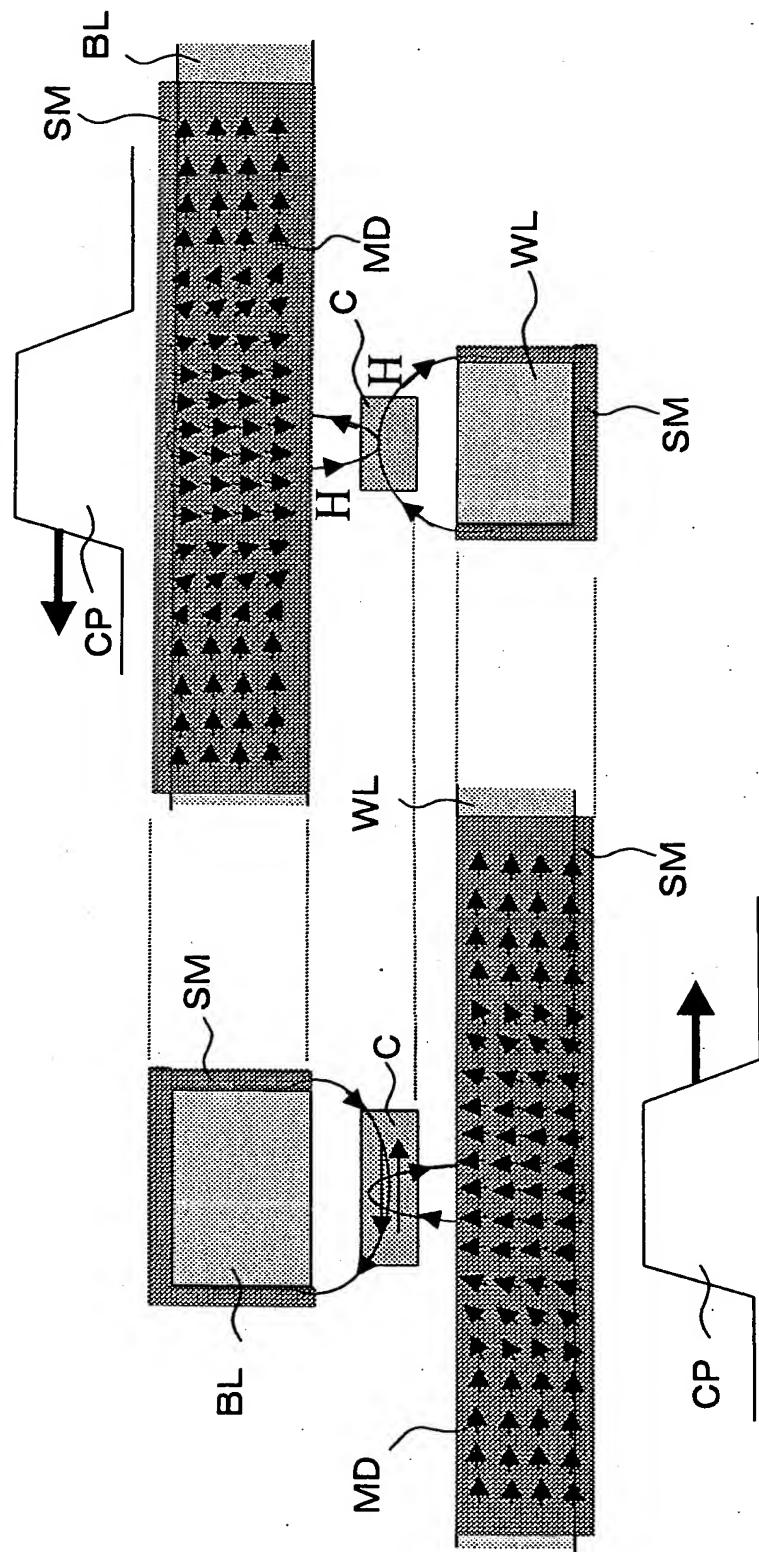


FIG.8B

FIG.8A

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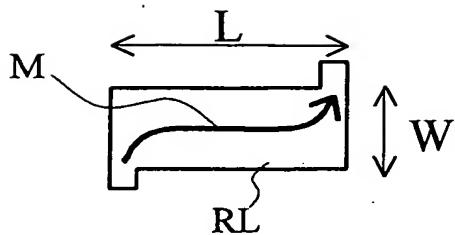


FIG. 9A

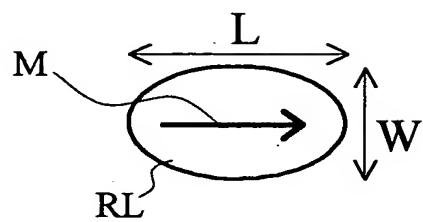


FIG. 9D

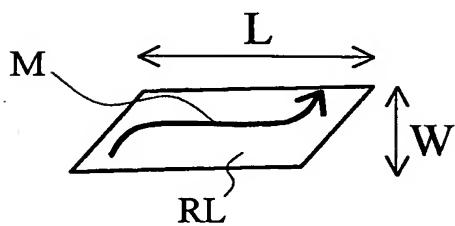


FIG. 9B

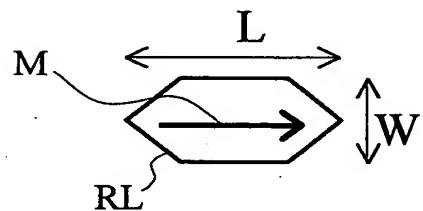


FIG. 9E

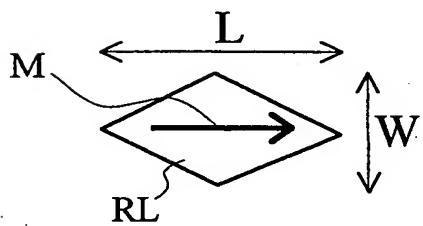


FIG. 9C

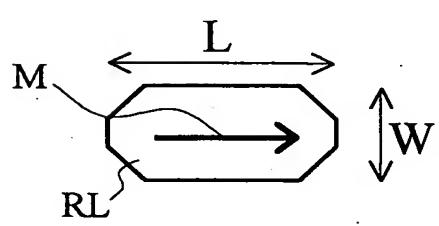


FIG. 9F

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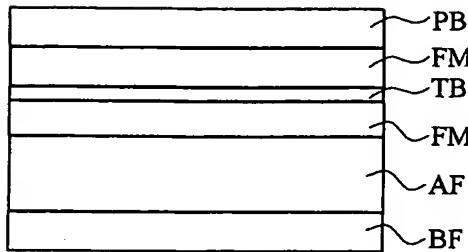


FIG.10

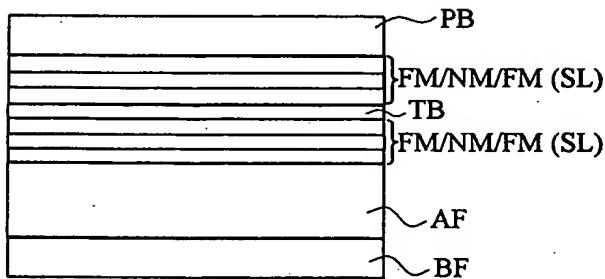


FIG.11

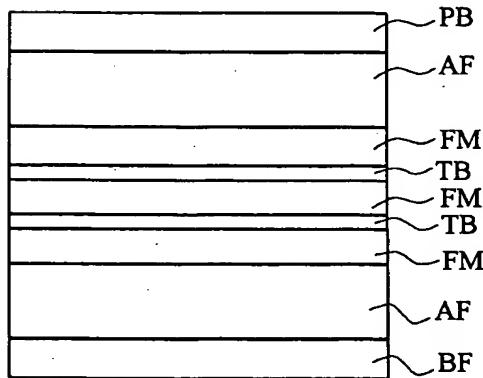


FIG.12

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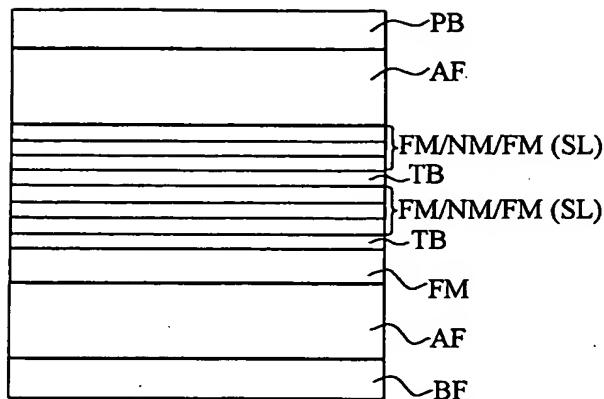


FIG.13

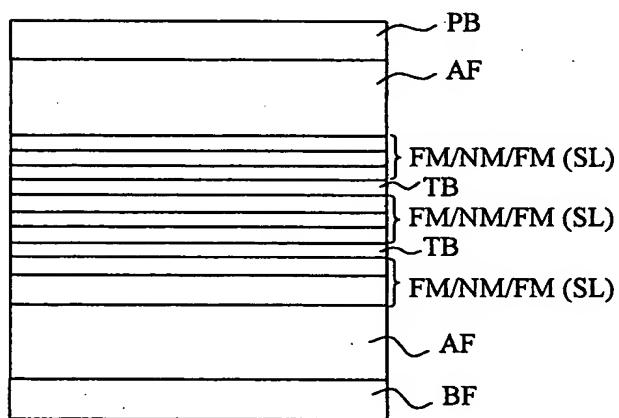


FIG.14

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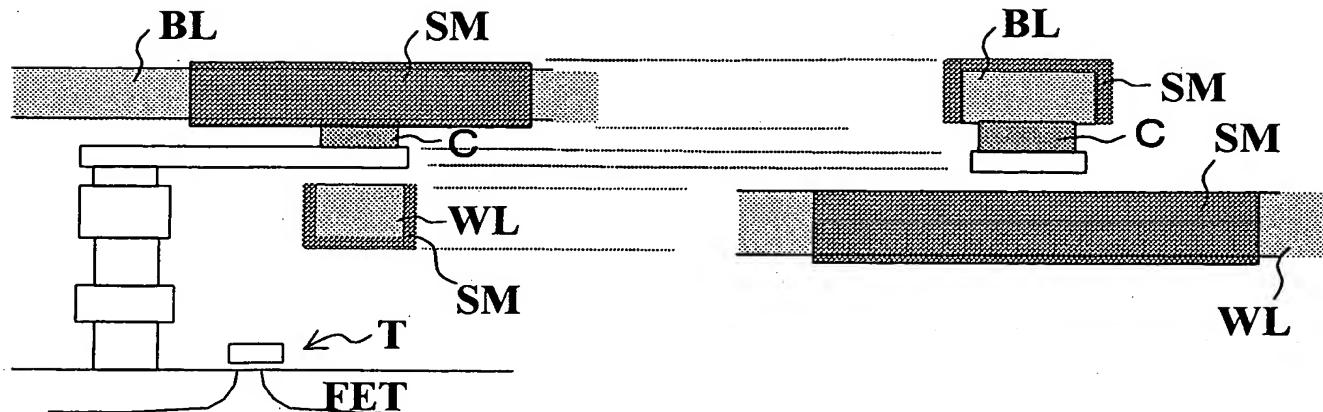


FIG.15A

FIG.15B

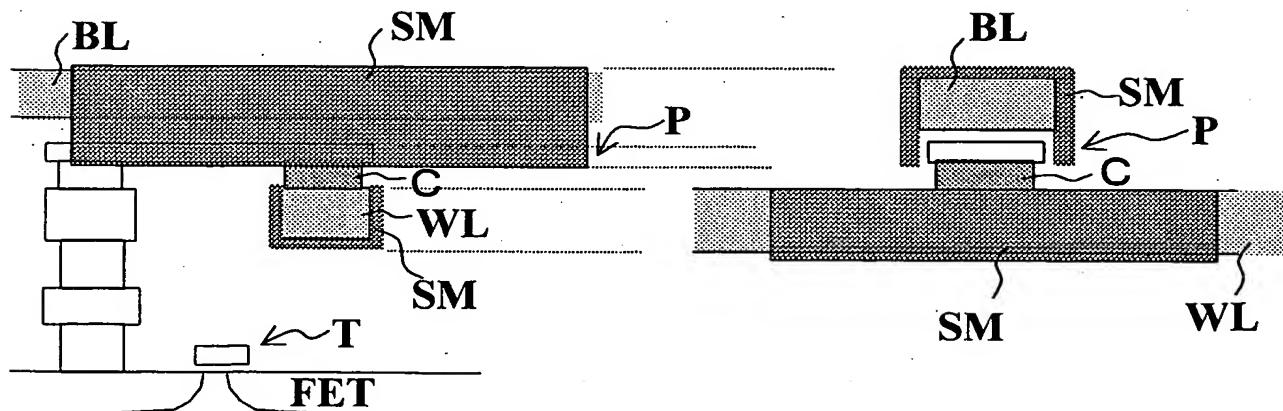


FIG.16A

FIG.16B

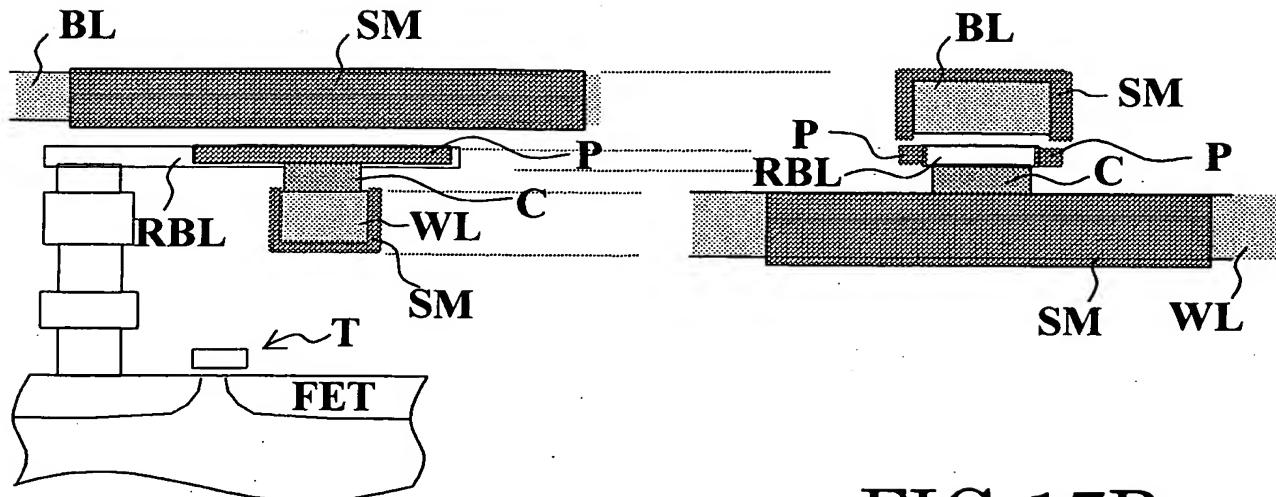


FIG.17A

FIG.17B

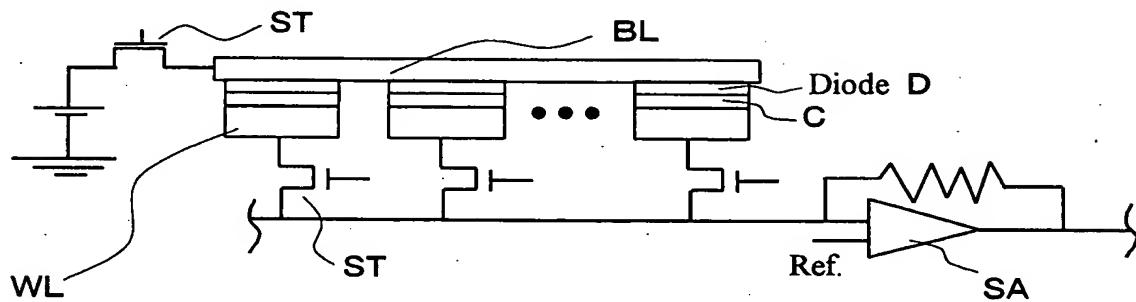


FIG.18

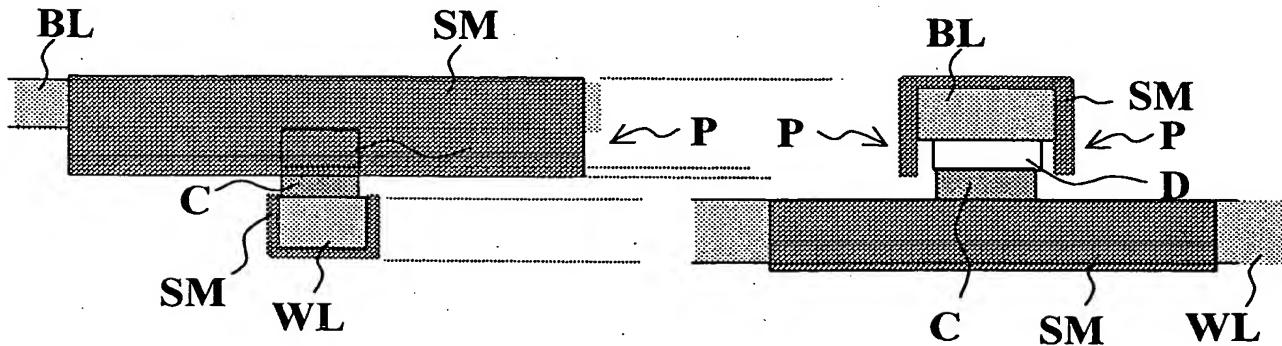


FIG.19A

FIG.19B

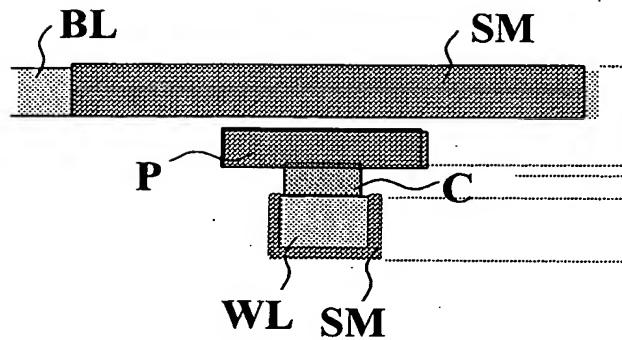


FIG.20A

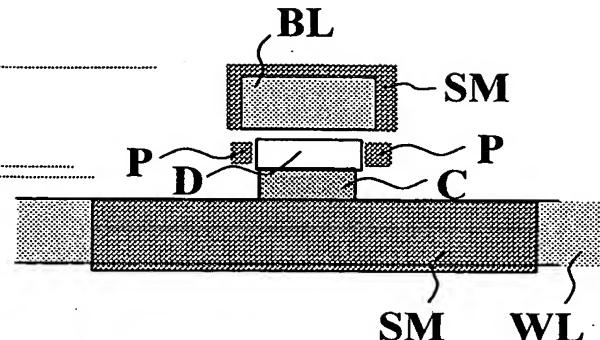


FIG.20B

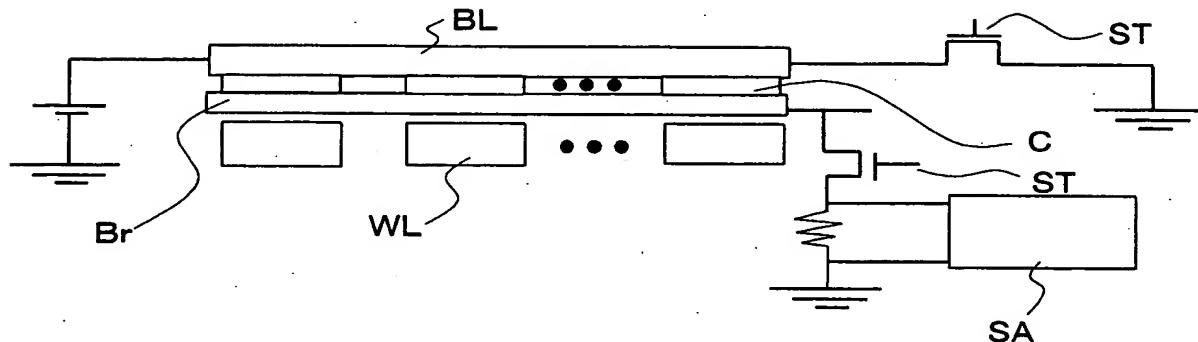


FIG.21

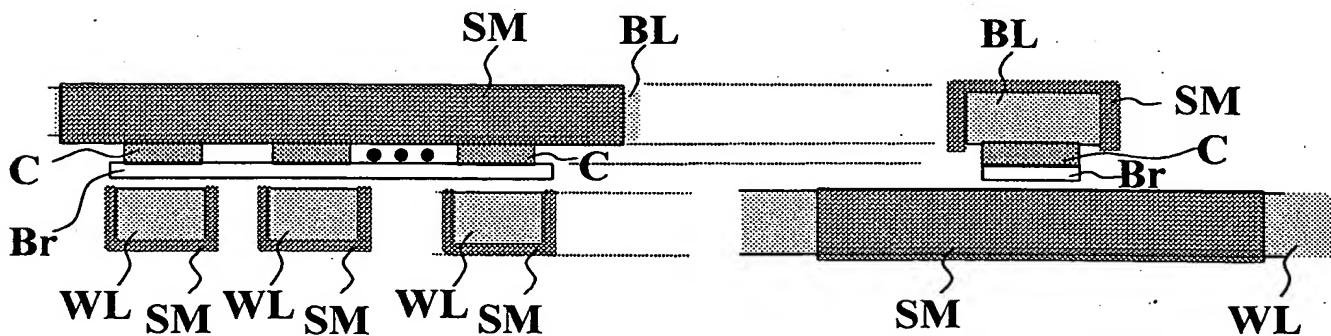


FIG.22A

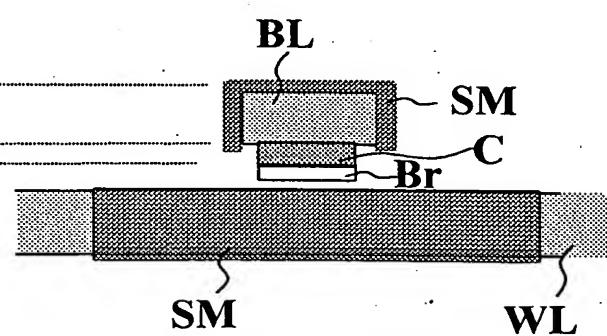


FIG.22B

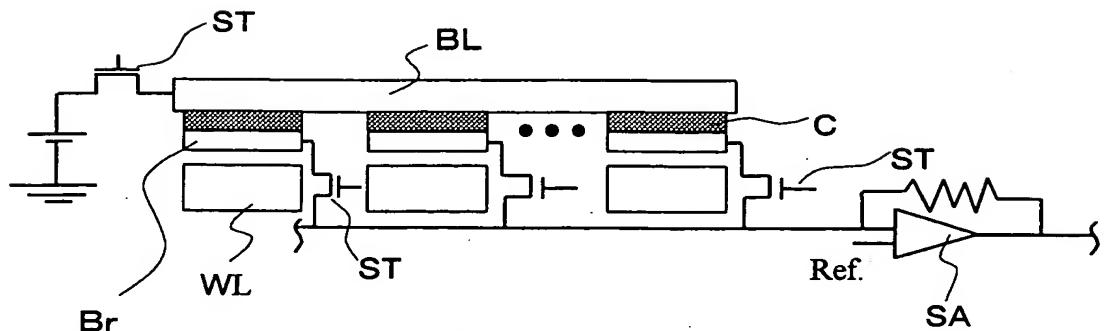


FIG.23

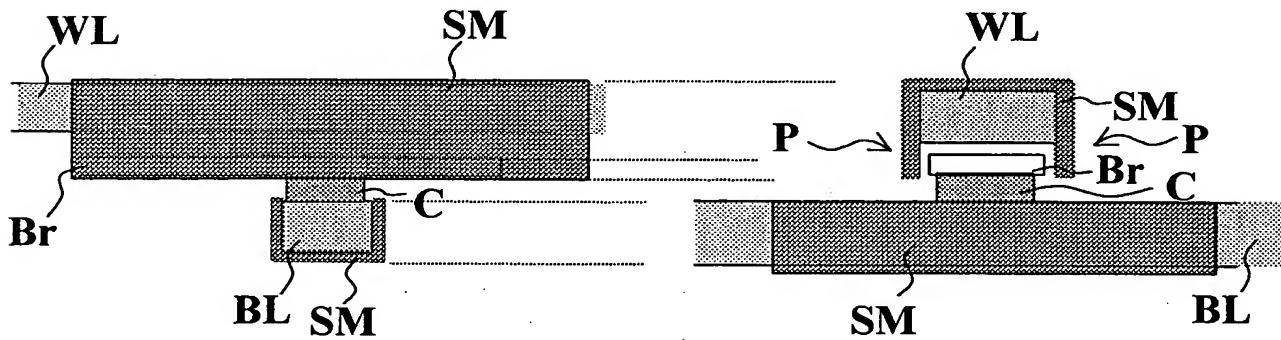


FIG.24A

FIG.24B

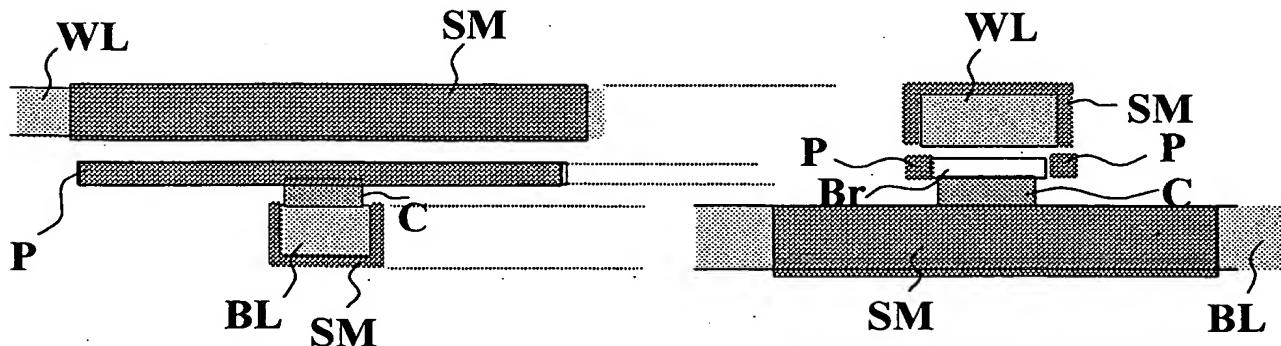


FIG.25A

FIG.25B

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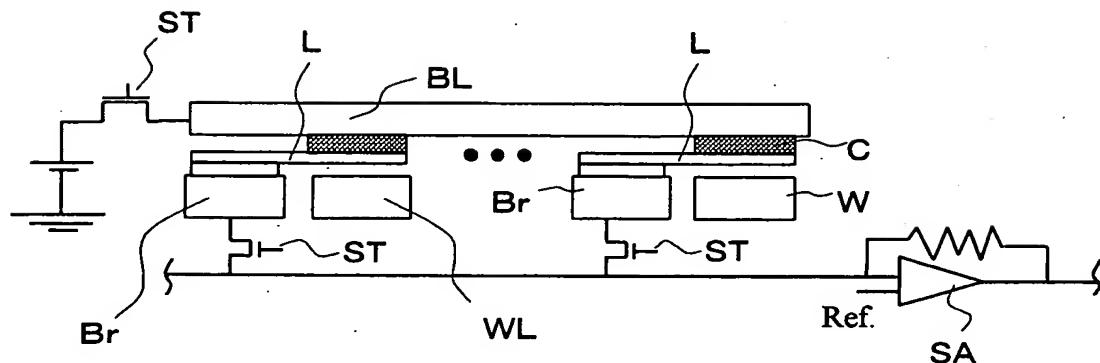


FIG. 26

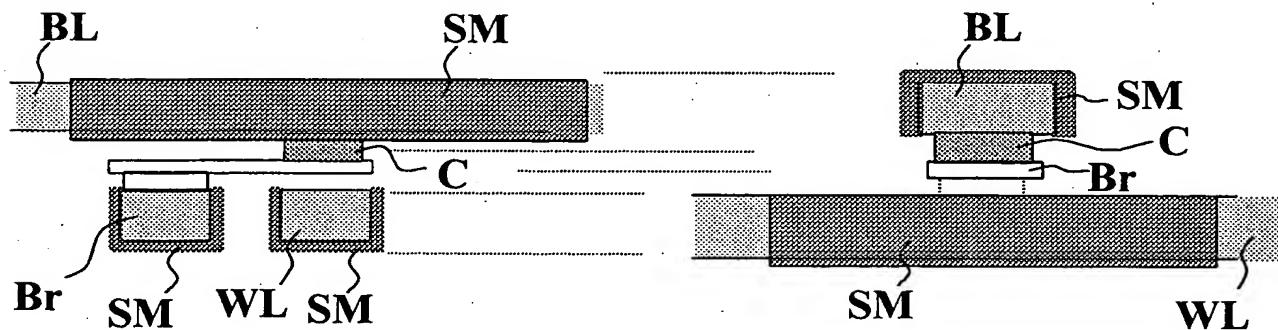


FIG. 27A

FIG. 27B

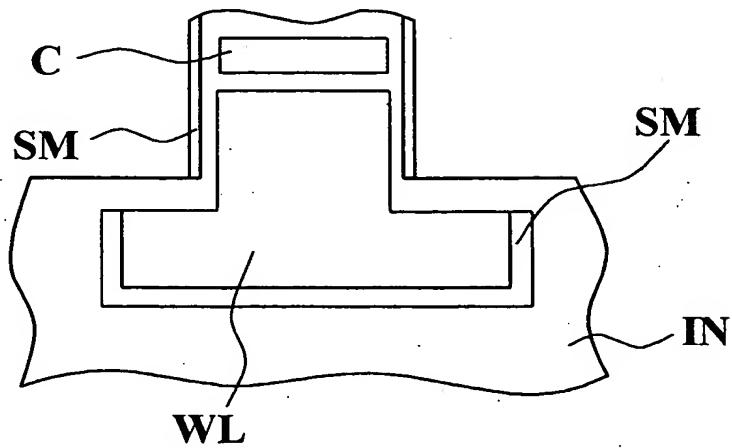


FIG. 28

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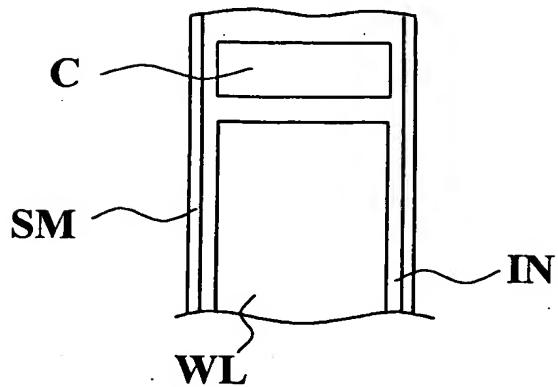


FIG. 29

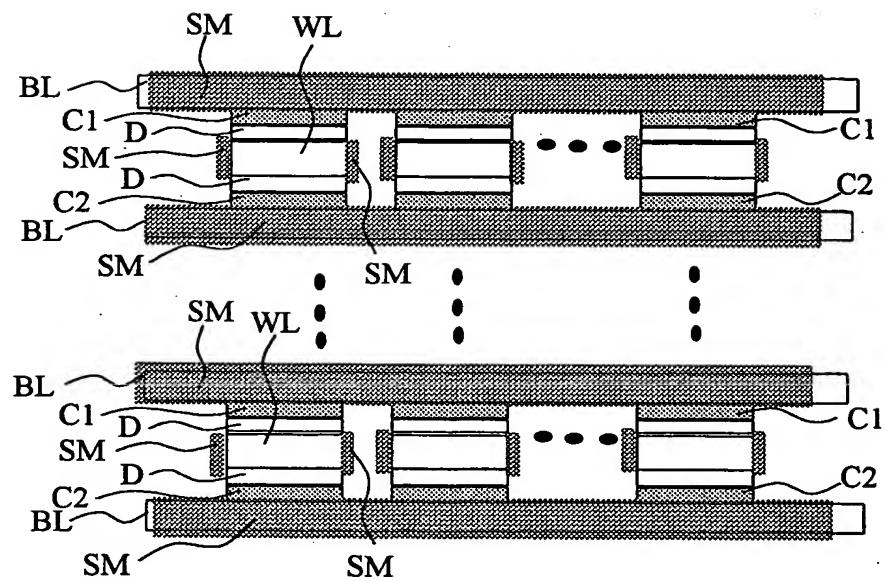


FIG. 30

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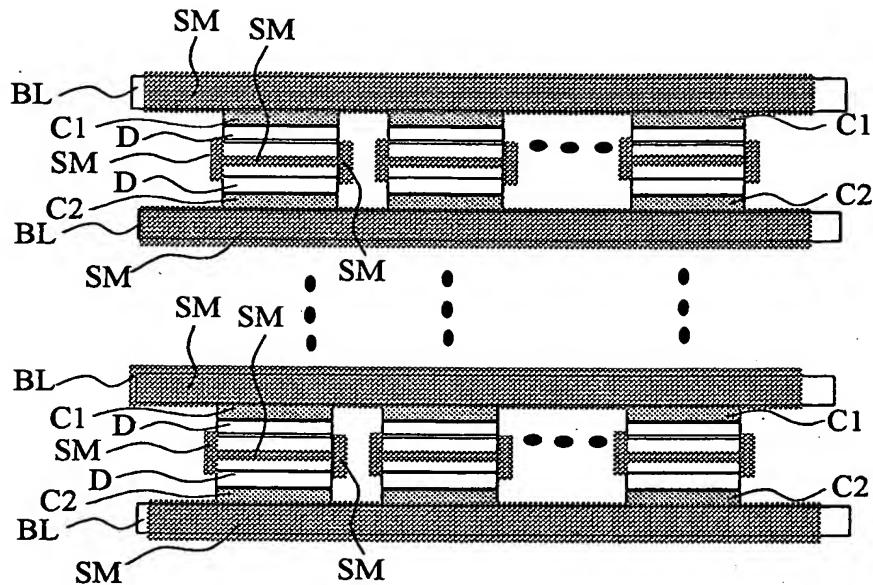


FIG.31

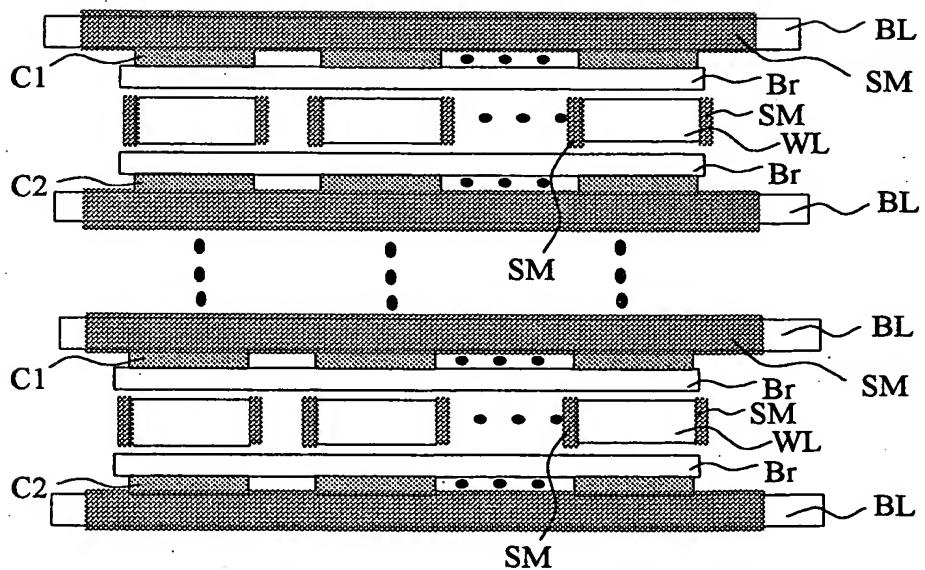


FIG.32

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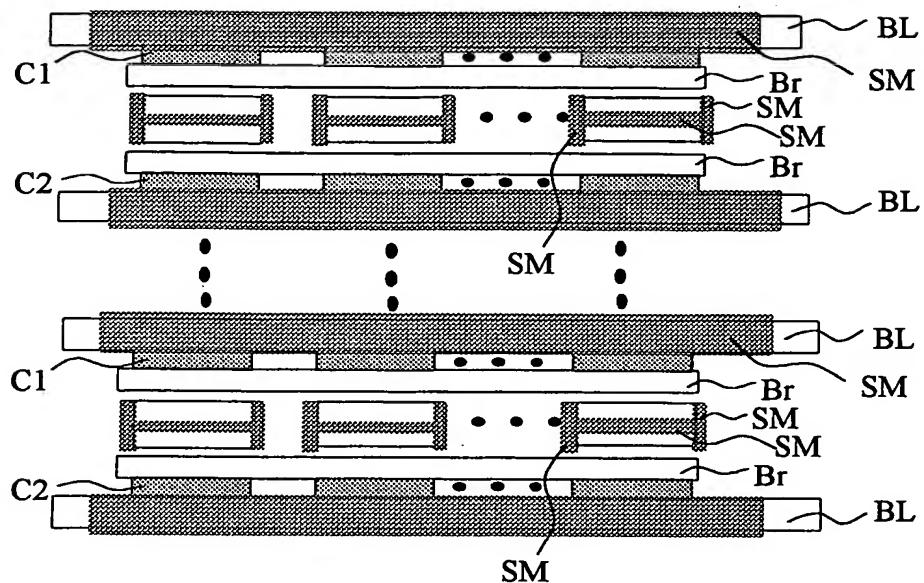


FIG.33

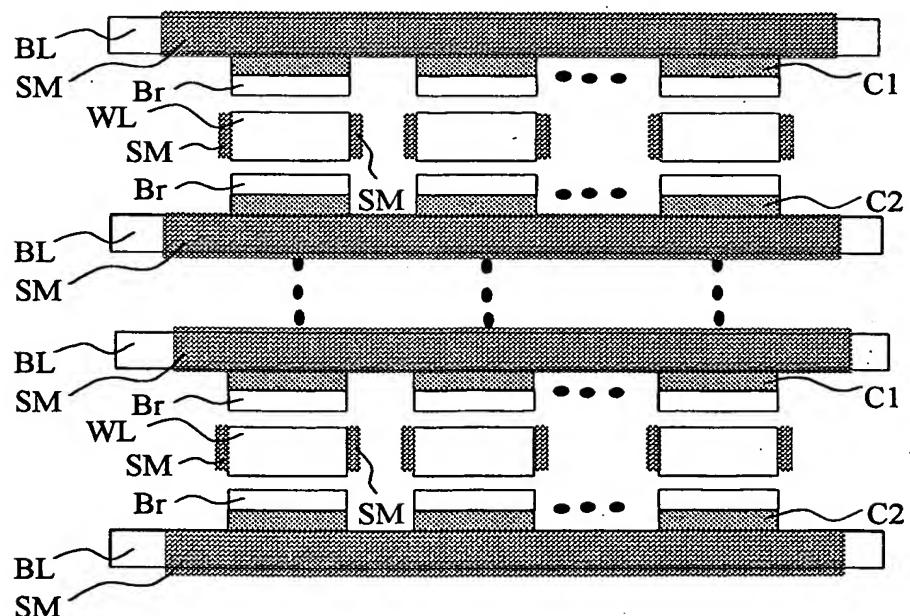


FIG.34

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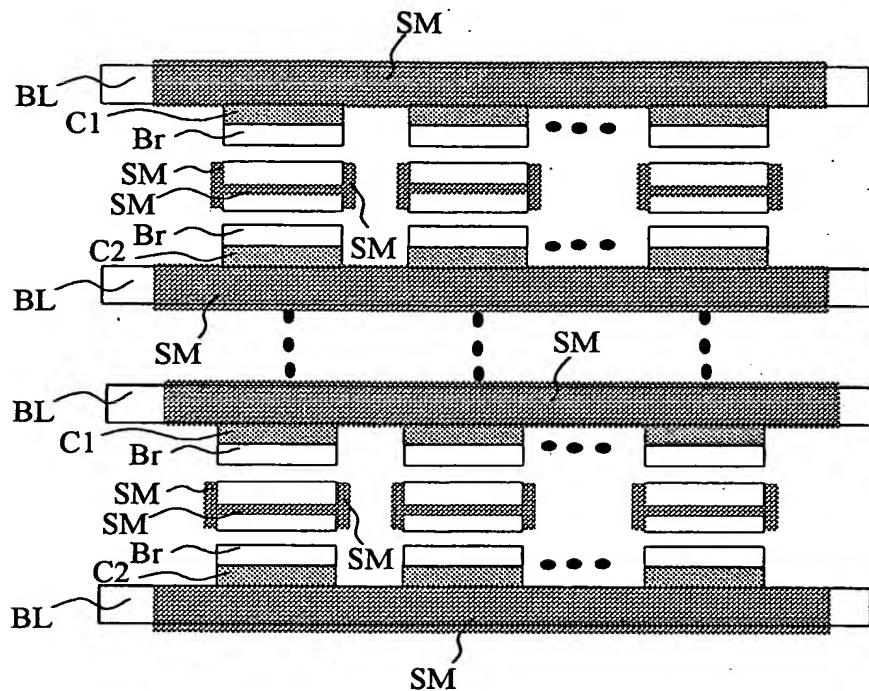


FIG. 35

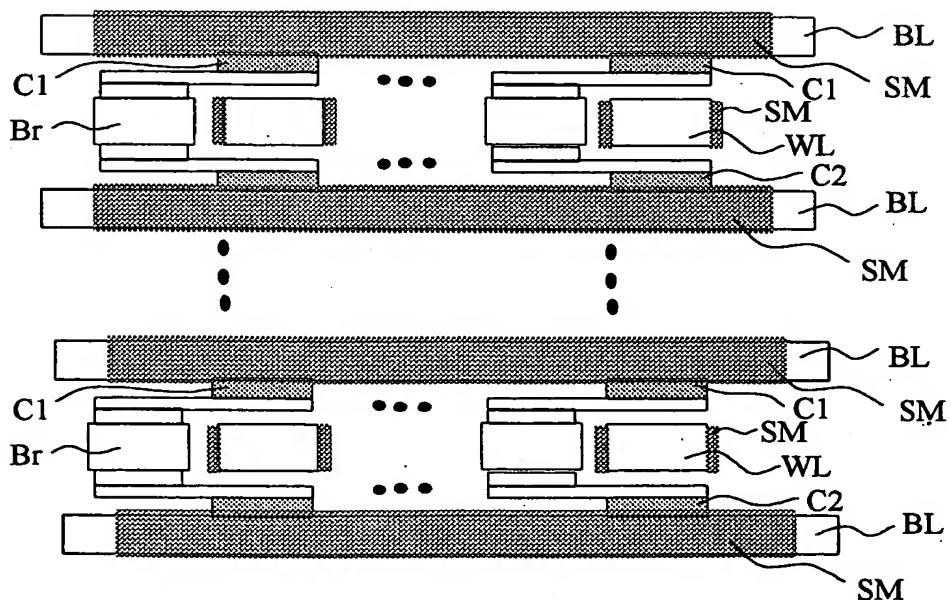


FIG. 36

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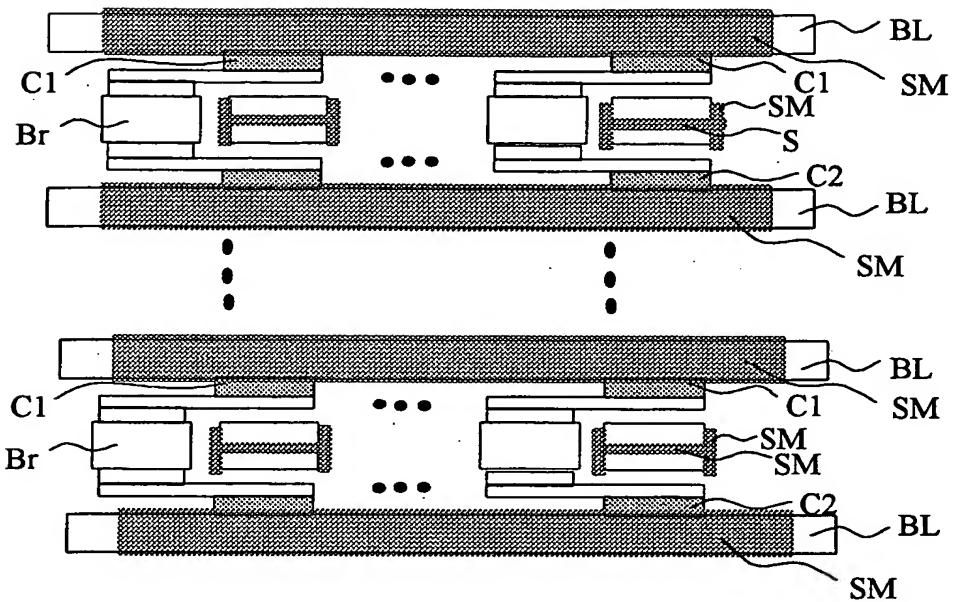


FIG.37

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.3	YES
0.02	0.3	0.45	0.3	YES
0.04	0.3	0.45	0.3	YES
0.06	0.3	0.45	0.3	YES
0.01	0.45	0.6	0.45	YES
0.02	0.45	0.6	0.45	YES
0.04	0.45	0.6	0.45	YES
0.06	0.45	0.6	0.45	YES
0.01	0.6	0.75	0.6	YES
0.02	0.6	0.75	0.6	YES
0.04	0.6	0.75	0.6	YES
0.06	0.6	0.75	0.6	YES
0.01	0.8	0.95	0.8	YES
0.02	0.8	0.95	0.8	YES
0.04	0.8	0.95	0.8	YES
0.06	0.8	0.95	0.8	YES
0.01	0.3	0.45	0.5	YES
0.02	0.3	0.45	0.5	YES
0.04	0.3	0.45	0.5	YES
0.06	0.3	0.45	0.5	YES
0.01	0.45	0.6	0.65	YES
0.02	0.45	0.6	0.65	YES
0.04	0.45	0.6	0.65	YES
0.06	0.45	0.6	0.65	YES
0.01	0.6	0.75	0.8	YES
0.02	0.6	0.75	0.8	YES
0.04	0.6	0.75	0.8	YES
0.06	0.6	0.75	0.8	YES
0.01	0.8	0.95	1	YES
0.02	0.8	0.95	1	YES
0.04	0.8	0.95	1	YES
0.06	0.8	0.95	1	YES

FIG.38

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.7	YES
0.02	0.3	0.45	0.7	YES
0.04	0.3	0.45	0.7	YES
0.06	0.3	0.45	0.7	YES
0.01	0.45	0.6	0.85	YES
0.02	0.45	0.6	0.85	YES
0.04	0.45	0.6	0.85	YES
0.06	0.45	0.6	0.85	YES
0.01	0.6	0.75	1	YES
0.02	0.6	0.75	1	YES
0.04	0.6	0.75	1	YES
0.06	0.6	0.75	1	YES
0.01	0.8	0.95	1.2	YES
0.02	0.8	0.95	1.2	YES
0.04	0.8	0.95	1.2	YES
0.06	0.8	0.95	1.2	YES
0.01	0.3	0.45	0.9	YES
0.02	0.3	0.45	0.9	YES
0.04	0.3	0.45	0.9	YES
0.06	0.3	0.45	0.9	YES
0.01	0.45	0.6	1.05	NO
0.02	0.45	0.6	1.05	NO
0.04	0.45	0.6	1.05	NO
0.06	0.45	0.6	1.05	YES
0.01	0.6	0.75	1.2	YES
0.02	0.6	0.75	1.2	YES
0.04	0.6	0.75	1.2	YES
0.06	0.6	0.75	1.2	YES
0.01	0.8	0.95	1.4	YES
0.02	0.8	0.95	1.4	YES
0.04	0.8	0.95	1.4	YES
0.06	0.8	0.95	1.4	YES

FIG.39

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.1	NO
0.02	0.3	0.45	1.1	NO
0.04	0.3	0.45	1.1	NO
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	NO
0.02	0.45	0.6	1.25	NO
0.04	0.45	0.6	1.25	NO
0.06	0.45	0.6	1.25	YES
0.01	0.6	0.75	1.4	NO
0.02	0.6	0.75	1.4	YES
0.04	0.6	0.75	1.4	YES
0.06	0.6	0.75	1.4	YES
0.01	0.8	0.95	1.6	YES
0.02	0.8	0.95	1.6	YES
0.04	0.8	0.95	1.6	YES
0.06	0.8	0.95	1.6	YES
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	NO
0.04	0.3	0.45	1.45	NO
0.06	0.3	0.45	1.45	YES
0.01	0.45	0.6	1.6	NO
0.02	0.45	0.6	1.6	NO
0.04	0.45	0.6	1.6	NO
0.06	0.45	0.6	1.6	YES
0.01	0.6	0.75	1.8	YES
0.02	0.6	0.75	1.8	YES
0.04	0.6	0.75	1.8	NO
0.06	0.6	0.75	1.8	YES
0.01	0.8	0.95	1.5	YES
0.02	0.8	0.95	1.5	YES
0.04	0.8	0.95	1.5	YES
0.06	0.8	0.95	1.5	YES

FIG.40

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.7	NO
0.02	0.3	0.45	1.7	NO
0.04	0.3	0.45	1.7	NO
0.06	0.3	0.45	1.7	YES
0.01	0.45	0.6	1.85	NO
0.02	0.45	0.6	1.85	NO
0.04	0.45	0.6	1.85	NO
0.06	0.45	0.6	1.85	YES
0.01	0.6	0.75	2	YES
0.02	0.6	0.75	2	YES
0.04	0.6	0.75	2	YES
0.06	0.6	0.75	2	YES
0.01	0.3	0.45	2	NO
0.02	0.3	0.45	2	NO
0.04	0.3	0.45	2	NO
0.06	0.3	0.45	2	YES
0.01	0.45	0.6	2	NO
0.02	0.45	0.6	2	NO
0.04	0.45	0.6	2	NO
0.06	0.45	0.6	2	YES

FIG.41

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.3	YES
0.02	0.3	0.45	0.3	NO
0.04	0.3	0.45	0.3	NO
0.06	0.3	0.45	0.3	NO
0.01	0.45	0.6	0.45	YES
0.02	0.45	0.6	0.45	NO
0.04	0.45	0.6	0.45	NO
0.06	0.45	0.6	0.45	NO
0.01	0.6	0.75	0.6	YES
0.02	0.6	0.75	0.6	NO
0.04	0.6	0.75	0.6	NO
0.06	0.6	0.75	0.6	NO
0.01	0.8	0.95	0.8	NO
0.02	0.8	0.95	0.8	NO
0.04	0.8	0.95	0.8	NO
0.06	0.8	0.95	0.8	YES
0.01	0.3	0.45	0.5	NO
0.02	0.3	0.45	0.5	NO
0.04	0.3	0.45	0.5	NO
0.06	0.3	0.45	0.5	YES

FIG.42

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.7	YES
0.02	0.3	0.45	0.7	NO
0.04	0.3	0.45	0.7	NO
0.06	0.3	0.45	0.7	NO
0.01	0.45	0.6	0.85	NO
0.02	0.45	0.6	0.85	NO
0.04	0.45	0.6	0.85	NO
0.06	0.45	0.6	0.85	YES
0.01	0.6	0.75	1	NO
0.02	0.6	0.75	1	NO
0.04	0.6	0.75	1	NO
0.06	0.6	0.75	1	YES
0.01	0.8	0.95	1.2	NO
0.02	0.8	0.95	1.2	NO
0.04	0.8	0.95	1.2	NO
0.06	0.8	0.95	1.2	NO
0.01	0.3	0.45	0.9	NO
0.02	0.3	0.45	0.9	NO
0.04	0.3	0.45	0.9	NO
0.06	0.3	0.45	0.9	YES

FIG.43

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Thickness t of SM (μ m)	Longer axis of TMR			Defect of operation
	(μ m)	L3 (μ m)	L1 (μ m)	
0.01	0.3	0.45	1.1	NO
0.02	0.3	0.45	1.1	NO
0.04	0.3	0.45	1.1	NO
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	NO
0.02	0.45	0.6	1.25	NO
0.04	0.45	0.6	1.25	NO
0.06	0.45	0.6	1.25	NO
0.01	0.6	0.75	1.4	NO
0.02	0.6	0.75	1.4	NO
0.04	0.6	0.75	1.4	YES
0.06	0.6	0.75	1.4	NO
0.01	0.8	0.95	1.6	YES
0.02	0.8	0.95	1.6	NO
0.04	0.8	0.95	1.6	NO
0.06	0.8	0.95	1.6	NO
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	NO
0.04	0.3	0.45	1.45	NO
0.06	0.3	0.45	1.45	YES

FIG.44

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.1	YES
0.02	0.3	0.45	1.1	YES
0.04	0.3	0.45	1.1	YES
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	YES
0.02	0.45	0.6	1.25	YES
0.04	0.45	0.6	1.25	YES
0.06	0.45	0.6	1.25	YES
0.01	0.6	0.75	1.4	YES
0.02	0.6	0.75	1.4	YES
0.04	0.6	0.75	1.4	YES
0.06	0.6	0.75	1.4	YES
0.01	0.8	0.95	1.6	YES
0.02	0.8	0.95	1.6	YES
0.04	0.8	0.95	1.6	YES
0.06	0.8	0.95	1.6	YES
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	YES
0.04	0.3	0.45	1.45	YES
0.06	0.3	0.45	1.45	YES
0.01	0.45	0.6	1.6	NO
0.02	0.45	0.6	1.6	NO
0.04	0.45	0.6	1.6	YES
0.06	0.45	0.6	1.6	YES
0.01	0.6	0.75	1.8	YES
0.02	0.6	0.75	1.8	YES
0.04	0.6	0.75	1.8	YES
0.06	0.6	0.75	1.8	YES
0.01	0.8	0.95	1.5	YES
0.02	0.8	0.95	1.5	YES
0.04	0.8	0.95	1.5	YES
0.06	0.8	0.95	1.5	YES

FIG.45

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Thickness t of SM(μ m)	Longer axis of TMR (μ m)	L3(μ m)	L1(μ m)	Defect of operation
0.01	0.3	0.45	1.7	YES
0.02	0.3	0.45	1.7	YES
0.04	0.3	0.45	1.7	YES
0.06	0.3	0.45	1.7	YES
0.01	0.45	0.6	1.85	NO
0.02	0.45	0.6	1.85	NO
0.04	0.45	0.6	1.85	YES
0.06	0.45	0.6	1.85	YES
0.01	0.6	0.75	2	NO
0.02	0.6	0.75	2	YES
0.04	0.6	0.75	2	YES
0.06	0.6	0.75	2	YES
0.01	0.3	0.45	2	NO
0.02	0.3	0.45	2	NO
0.04	0.3	0.45	2	YES
0.06	0.3	0.45	2	YES
0.01	0.45	0.6	2	NO
0.02	0.45	0.6	2	NO
0.04	0.45	0.6	2	YES
0.06	0.45	0.6	2	YES

FIG.46

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.3	YES
0.02	0.3	0.45	0.3	YES
0.04	0.3	0.45	0.3	YES
0.06	0.3	0.45	0.3	YES
0.01	0.45	0.6	0.45	YES
0.02	0.45	0.6	0.45	YES
0.04	0.45	0.6	0.45	YES
0.06	0.45	0.6	0.45	YES
0.01	0.6	0.75	0.6	YES
0.02	0.6	0.75	0.6	YES
0.04	0.6	0.75	0.6	YES
0.06	0.6	0.75	0.6	YES
0.01	0.8	0.95	0.8	YES
0.02	0.8	0.95	0.8	YES
0.04	0.8	0.95	0.8	YES
0.06	0.8	0.95	0.8	YES
0.01	0.3	0.45	0.5	YES
0.02	0.3	0.45	0.5	YES
0.04	0.3	0.45	0.5	YES
0.06	0.3	0.45	0.5	YES
0.01	0.45	0.6	0.65	YES
0.02	0.45	0.6	0.65	YES
0.04	0.45	0.6	0.65	YES
0.06	0.45	0.6	0.65	YES
0.01	0.6	0.75	0.8	YES
0.02	0.6	0.75	0.8	YES
0.04	0.6	0.75	0.8	YES
0.06	0.6	0.75	0.8	YES
0.01	0.8	0.95	1	YES
0.02	0.8	0.95	1	YES
0.04	0.8	0.95	1	YES
0.06	0.8	0.95	1	YES

FIG.47

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Thickness t of SM(μ m)	Longer axis of TMR (μ m)	L3(μ m)	L1(μ m)	Defect of operation
0.01	0.3	0.45	0.7	YES
0.02	0.3	0.45	0.7	YES
0.04	0.3	0.45	0.7	YES
0.06	0.3	0.45	0.7	YES
0.01	0.45	0.6	0.85	YES
0.02	0.45	0.6	0.85	YES
0.04	0.45	0.6	0.85	YES
0.06	0.45	0.6	0.85	YES
0.01	0.6	0.75	1	YES
0.02	0.6	0.75	1	YES
0.04	0.6	0.75	1	YES
0.06	0.6	0.75	1	YES
0.01	0.8	0.95	1.2	YES
0.02	0.8	0.95	1.2	YES
0.04	0.8	0.95	1.2	YES
0.06	0.8	0.95	1.2	YES
0.01	0.3	0.45	0.9	YES
0.02	0.3	0.45	0.9	YES
0.04	0.3	0.45	0.9	YES
0.06	0.3	0.45	0.9	YES
0.01	0.45	0.6	1.05	NO
0.02	0.45	0.6	1.05	NO
0.04	0.45	0.6	1.05	NO
0.06	0.45	0.6	1.05	YES
0.01	0.6	0.75	1.2	YES
0.02	0.6	0.75	1.2	YES
0.04	0.6	0.75	1.2	YES
0.06	0.6	0.75	1.2	YES
0.01	0.8	0.95	1.4	YES
0.02	0.8	0.95	1.4	YES
0.04	0.8	0.95	1.4	YES
0.06	0.8	0.95	1.4	YES

FIG.48

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.1	NO
0.02	0.3	0.45	1.1	NO
0.04	0.3	0.45	1.1	NO
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	NO
0.02	0.45	0.6	1.25	NO
0.04	0.45	0.6	1.25	NO
0.06	0.45	0.6	1.25	YES
0.01	0.6	0.75	1.4	YES
0.02	0.6	0.75	1.4	YES
0.04	0.6	0.75	1.4	YES
0.06	0.6	0.75	1.4	YES
0.01	0.8	0.95	1.6	YES
0.02	0.8	0.95	1.6	YES
0.04	0.8	0.95	1.6	YES
0.06	0.8	0.95	1.6	YES
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	NO
0.04	0.3	0.45	1.45	NO
0.06	0.3	0.45	1.45	YES
0.01	0.45	0.6	1.6	NO
0.02	0.45	0.6	1.6	NO
0.04	0.45	0.6	1.6	NO
0.06	0.45	0.6	1.6	YES
0.01	0.6	0.75	1.8	YES
0.02	0.6	0.75	1.8	YES
0.04	0.6	0.75	1.8	YES
0.06	0.6	0.75	1.8	YES
0.01	0.8	0.95	1.5	YES
0.02	0.8	0.95	1.5	YES
0.04	0.8	0.95	1.5	YES
0.06	0.8	0.95	1.5	YES

FIG.49

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Thickness t of SM(μ m)	Longer axis of TMR (μ m)	L3(μ m)	L1(μ m)	Defect of operation
0.01	0.3	0.45	1.7	NO
0.02	0.3	0.45	1.7	NO
0.04	0.3	0.45	1.7	NO
0.06	0.3	0.45	1.7	YES
0.01	0.45	0.6	1.85	NO
0.02	0.45	0.6	1.85	NO
0.04	0.45	0.6	1.85	NO
0.06	0.45	0.6	1.85	YES
0.01	0.6	0.75	2	YES
0.02	0.6	0.75	2	YES
0.04	0.6	0.75	2	YES
0.06	0.6	0.75	2	YES
0.01	0.3	0.45	2	NO
0.02	0.3	0.45	2	NO
0.04	0.3	0.45	2	NO
0.06	0.3	0.45	2	YES
0.01	0.45	0.6	2	NO
0.02	0.45	0.6	2	NO
0.04	0.45	0.6	2	NO
0.06	0.45	0.6	2	YES

FIG.50

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Thickness t of SM (μm)	Longer axis of TMR (μm)	L3 (μm)	L1 (μm)	Defect of operation
0.01	0.3	0.45	1.1	YES
0.02	0.3	0.45	1.1	YES
0.04	0.3	0.45	1.1	YES
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	YES
0.02	0.45	0.6	1.25	YES
0.04	0.45	0.6	1.25	YES
0.06	0.45	0.6	1.25	YES
0.01	0.6	0.75	1.4	YES
0.02	0.6	0.75	1.4	YES
0.04	0.6	0.75	1.4	YES
0.06	0.6	0.75	1.4	YES
0.01	0.8	0.95	1.6	YES
0.02	0.8	0.95	1.6	YES
0.04	0.8	0.95	1.6	YES
0.06	0.8	0.95	1.6	YES
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	YES
0.04	0.3	0.45	1.45	YES
0.06	0.3	0.45	1.45	YES
0.01	0.45	0.6	1.6	NO
0.02	0.45	0.6	1.6	NO
0.04	0.45	0.6	1.6	YES
0.06	0.45	0.6	1.6	YES
0.01	0.6	0.75	1.8	YES
0.02	0.6	0.75	1.8	YES
0.04	0.6	0.75	1.8	YES
0.06	0.6	0.75	1.8	YES
0.01	0.8	0.95	1.5	YES
0.02	0.8	0.95	1.5	YES
0.04	0.8	0.95	1.5	YES
0.06	0.8	0.95	1.5	YES

FIG.51

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.7	YES
0.02	0.3	0.45	1.7	YES
0.04	0.3	0.45	1.7	YES
0.06	0.3	0.45	1.7	YES
0.01	0.45	0.6	1.85	NO
0.02	0.45	0.6	1.85	NO
0.04	0.45	0.6	1.85	YES
0.06	0.45	0.6	1.85	YES
0.01	0.6	0.75	2	NO
0.02	0.6	0.75	2	YES
0.04	0.6	0.75	2	YES
0.06	0.6	0.75	2	YES
0.01	0.3	0.45	2	NO
0.02	0.3	0.45	2	NO
0.04	0.3	0.45	2	YES
0.06	0.3	0.45	2	YES
0.01	0.45	0.6	2	NO
0.02	0.45	0.6	2	NO
0.04	0.45	0.6	2	YES
0.06	0.45	0.6	2	YES

FIG.52

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Thickness t of SM(μ m)	Longer axis of TMR (μ m)	L3(μ m)	L1(μ m)	Defect of operation
0.01	0.3	0.45	0.3	YES
0.02	0.3	0.45	0.3	YES
0.04	0.3	0.45	0.3	YES
0.06	0.3	0.45	0.3	NO
0.01	0.45	0.6	0.45	YES
0.02	0.45	0.6	0.45	NO
0.04	0.45	0.6	0.45	NO
0.06	0.45	0.6	0.45	YES
0.01	0.6	0.75	0.6	NO
0.02	0.6	0.75	0.6	NO
0.04	0.6	0.75	0.6	NO
0.06	0.6	0.75	0.6	YES
0.01	0.8	0.95	0.8	NO
0.02	0.8	0.95	0.8	NO
0.04	0.8	0.95	0.8	NO
0.06	0.8	0.95	0.8	YES
0.01	0.3	0.45	0.5	NO
0.02	0.3	0.45	0.5	NO
0.04	0.3	0.45	0.5	NO
0.06	0.3	0.45	0.5	YES
0.01	0.45	0.6	0.65	YES
0.02	0.45	0.6	0.65	NO
0.04	0.45	0.6	0.65	NO
0.06	0.45	0.6	0.65	NO

FIG.53

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	0.7	YES
0.02	0.3	0.45	0.7	NO
0.04	0.3	0.45	0.7	YES
0.06	0.3	0.45	0.7	YES
0.01	0.45	0.6	0.85	NO
0.02	0.45	0.6	0.85	NO
0.04	0.45	0.6	0.85	NO
0.06	0.45	0.6	0.85	YES
0.01	0.6	0.75	1	NO
0.02	0.6	0.75	1	YES
0.04	0.6	0.75	1	NO
0.06	0.6	0.75	1	YES
0.01	0.8	0.95	1.2	NO
0.02	0.8	0.95	1.2	NO
0.04	0.8	0.95	1.2	NO
0.06	0.8	0.95	1.2	YES
0.01	0.3	0.45	0.9	NO
0.02	0.3	0.45	0.9	NO
0.04	0.3	0.45	0.9	NO
0.06	0.3	0.45	0.9	NO
0.01	0.45	0.6	1.05	NO
0.02	0.45	0.6	1.05	NO
0.04	0.45	0.6	1.05	NO
0.06	0.45	0.6	1.05	NO

FIG.54

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Thickness t of SM (μ m)	Longer axis of TMR (μ m)	L3 (μ m)	L1 (μ m)	Defect of operation
0.01	0.3	0.45	1.1	NO
0.02	0.3	0.45	1.1	NO
0.04	0.3	0.45	1.1	NO
0.06	0.3	0.45	1.1	YES
0.01	0.45	0.6	1.25	NO
0.02	0.45	0.6	1.25	NO
0.04	0.45	0.6	1.25	NO
0.06	0.45	0.6	1.25	YES
0.01	0.6	0.75	1.4	NO
0.02	0.6	0.75	1.4	NO
0.04	0.6	0.75	1.4	NO
0.06	0.6	0.75	1.4	NO
0.01	0.8	0.95	1.6	NO
0.02	0.8	0.95	1.6	NO
0.04	0.8	0.95	1.6	NO
0.06	0.8	0.95	1.6	NO
0.01	0.3	0.45	1.45	NO
0.02	0.3	0.45	1.45	NO
0.04	0.3	0.45	1.45	NO
0.06	0.3	0.45	1.45	NO
0.01	0.45	0.6	1.6	NO
0.02	0.45	0.6	1.6	NO
0.04	0.45	0.6	1.6	NO
0.06	0.45	0.6	1.6	NO

FIG.55